EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8	US-6395674-$.DID. OR JP-0686868-$.DID. OR JP-08057648-$.DID. OR JP-2006007256-$.DID. OR US-20061001177-$.DID. OR JP-2004261878-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 09:57
S2	2	JP-08155881-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 09:59
S3	2	JP-20067256-$.DID. OR WO-2006001177-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 14:10
S4	3	JP-2006007256-$.DID. OR WO-2006001177-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 14:58
S5	5160	(welding robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:12
S6	1850	(74/490.01,490.02,479.01,469).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/25 15:26
S7	23	S5 and S6	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/25 15:26
S8	2184	S5 and (mount$2 or floor or ceiling or arm or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:41
S9	1562	S5 and (mount$2 or floor or ceiling or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:42

S10	50	S5 and (side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:42
S11	50	S5 and (side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:43
S12	1543	S5 and (mount$2 or floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:52
S13	448	S5 and (floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:52
S14	1494	S5 and (mounted or floor or ceiling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:53
S15	7	S5 and (floor-mounted or ceiling-mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:53
S17	2	S6 and (ceiling-mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 15:58
S18	1154	(219/124.34).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/25 16:00
S19	209	S18 and (welding robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:00
S21	73	S19 and (floor or mounted or ceiling or mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:01

S22	202	(robot welder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:22
S23	1	S22 and (floor-mounted or ceiling-mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:23
S24	121	S22 and (floor or mounted or ceiling or mounted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/25 16:23
S25	1	("20070145027").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:00
S26	3	2004-055278	JPO; DERWENT	ADJ	ON	2010/01/29 11:12
S27	4	"2004055278"	JPO; DERWENT	ADJ	ON	2010/01/29 11:13
S28	210	(219/137.31).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/29 11:42
S29	4	S28 and (weld$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:42
S30	4	S28 and (robot weld$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:48
S31	1879	(74/490.01,490.02,479.01,469).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/29 11:49
S32	26	S31 and (weld$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:49

S34	2	S32 and (feed$2 and rotat$3 with hollow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/29 11:51
S35	17	("3543989").PN. OR ("4539465").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:32
S37	14	S35 and (feed$2 or electric$4 and rotat$3 or holow shaft)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:39
S38	14	("3293477" | "3344305" | "3693858" | "3898419" | "3924094" | "4205771" | "4539465").PN. OR ("4757180").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:54
S39	12	S38 and (feed$2 or electric$4 and rotat$3 with holow shaft or pipe or cable)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/30 14:55
S40	2578	(robot$2 weld$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 14:58
S41	1108	S40 and (torch cable with weld$3 wire and rotat$3 with hollow shaft or arm or pivot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:02
S42	15	S40 and (torch cable with weld$3 wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:03
S43	15	S42 and (rotat$3 with hollow shaft or arm or pivot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/30 15:03
S44	2578	(robot$2 weld$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:14
S46	27	S44 and (wire feed$2 with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:14
S47	2	(wire feed$2 with rotat$3 hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:50

S48	9	(wire feed$2 with rotat$3 with hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 12:50
S49	84	(wire feed$2 with rotat$3 and hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:02
S50	2	(wire feed$2 with rotat$3 adj hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:02
S51	2	(wire feed$2 with rotat$3 near hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:03
S52	1818	(wire feed$2 with rotat$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:04
S53	228	S52 and (hollow sharp or pipe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 13:05
S54	40	("2880305" | "3248515" | "3275795" | "3627973" | "3815807" | "4015086" | "4160895" | "4161640" | "4199673" | "4215809" | "4242981" | "4323750" | "4357515" | "4380697" | "4514443" | "4527039" | "4531039" | "4538046" | "4550235" | "4593445" | "4647749" | "4687899").PN. OR ("4952769").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/01/31 14:17
S55	27	S54 and (torch cable with weld$3 wire and rotat$3 with hollow shaft or arm or pivot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 14:18
S56	1	S54 and (wire feed$2 with rotat$3 and hollow shaft)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 14:52

S58	13	US-5293107-$.DID. OR JP-6315879-$.DID. OR US-5606235-$.DID. OR JP-7205065-$.DID. OR US-6250174-$.DID. OR JP-10175188-$.DID. OR EP-06712205-$.DID. OR EP-1669151-$.DID. OR EP-1568449-$.DID. OR JP-2006520434-$.DID.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 16:49
S60	10	S58 and (torch cable with weld$3 wire and rotat$3 with hollow shaft or arm or pivot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/01/31 16:51
S62	49	(US-20050189333-$ or US-20070012672-$ or US-20080271561-$ or US-20060000817-$ or US-20060138116-$ or US-20060101936-$ or US-20080056859-$ or US-20050199601-$ or US-20060104791-$ or US-20080315820-$).did. or (US-5630955-$ or US-7202442-$ or US-6066833-$ or US-4538047-$ or US-5866874-$ or US-6107601-$ or US-6166506-$ or US-7173213-$ or US-4462748-$ or US-5770834-$ or US-5841104-$ or US-4507042-$ or US-4515521-$ or US-4529352-$ or US-4883939-$ or US-5212432-$ or US-5408065-$ or US-5562843-$ or US-6023045-$ or US-6103976-$ or US-7241969-$ or US-4540869-$ or US-6204469-$ or US-6261701-$ or US-6403918-$ or US-6455803-$).did. or (US-6476344-$ or US-6479786-$ or US-5337938-$ or US-5528013-$ or US-5721417-$ or US-5973291-$ or US-6078023-$ or US-6130407-$ or US-6504131-$ or US-6555786-$ or US-6627849-$ or US-6720529-$ or US-6849826-$).did.	US-PGPUB; USPAT	ADJ	ON	2010/07/06 14:40
S63	39	S62 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or passor through or coupl$3 or side or side face)	USPAT	ADJ	ON	2010/07/06 14:44
S64	89	(US-20050189333-$ or US-20070012672-$ or US-20080271561-$ or US-20060000817-$ or US-20060138116-$ or US-20060101936-$ or US-20080056859-$ or US-20050199601-$ or US-20060104791-$ or US-20080315820-$).did. or (US-5630955-$ or US-7202442-$ or US-6066833-$ or US-4538047-$ or US-5866874-$ or US-6107601-$ or US-6166506-$ or US-7173213-$ or US-4462748-$ or US-5770834-$ or US-5841104-$ or US-4507042-$ or US-4515521-$ or US-4529352-$ or US-4883939-$ or US-5212432-$ or US-5408065-$ or US-5562843-$ or US-6023045-$ or US-6103976-$ or US-7241969-$ or US-4540869-$ or US-6204469-$ or US-6261701-$ or US-6403918-$ or US-6455803-$).did. or (US-6476344-$ or US-6479786-$ or US-5337938-$ or US-5528013-$ or US-5721417-$ or US-5973291-$ or US-6078023-$ or US-6130407-$ or US-6504131-$ or US-6555786-$ or US-6627849-$ or US-6720529-$ or US-6849826-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:44

S65	74	S64 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or passor through or coupl$3 or side or side face)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:44
S66	79	S64 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or passor through or coupl$3 or side or side face or torch cable or weld$3 torch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:49
S67	85	S64 and (industrial robot or robot or weld$3 torch or weld$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:51
S68	75	S64 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:54
S69	74	S67 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 14:54
S70	13	("3543984" | "4101755" | "4166941" | "4249062" | "4283617").PN. OR ("4507042"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:15
S71	9	S70 and (industrial robot or robot or weld$3 torch or weld$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:15
S72	9	S71 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:15
S73	31	("1551332" | "1822260" | "2826440" | "3322886" | "3593952" | "4288292" | "4378959" | "4507042" | "4542279" | "4659279" | "4700017" | "4767257" | "4780045").PN. OR ("4969795").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:22
S74	16	S73 and (industrial robot or robot or weld$3 torch or weld$3 robot)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:22

S75	16	S74 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:23
S76	61	("3330056" | "3543910" | "3630389" | "3840128" | "4012069" | "4024961" | "4076131" | "Re28089").PN. OR ("4378959"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 15:44
S77	50	S76 and (industrial robot or robot$2 or weld $3 torch or weld$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:50
S78	50	S77 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 15:50
S79	11	("3840128" | "4024961" | "4378959").PN. OR ("4546233").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 16:08
S80	9	S79 and (industrial robot or robot$2 or weld $3 torch or weld$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:08
S81	9	S80 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:08
S82	18	("2916082" | "3391804" | "3608743" | "4024961" | "4259876" | "4277044" | "4283165" | "4500251" | "4537233" | "4546233" | "4552505" | "4620829" | "4659280").PN. OR ("4768918").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/06 16:10
S83	13	S82 and (industrial robot or robot$2 or weld $3 torch or weld$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:10
S84	12	S83 and (wire feeder or feeder cable or cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or coupl $3 or side or side face or torch cable or pivot $4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:10
S85	1924	(74/490.01,490.02,479.01,469).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/06 16:20

S86	522	S85 and (industrial robot or robot$2 or weld$3 torch or weld$3 robot or manipulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:20
S87	495	S86 and (wire feeder or feeder cable or opposite or rotat$3 or hollow pipe or hollow shaft or pass$2 through or side face or torch cable or pivot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/07/06 16:21
S89	1	"07108485"	JPO	ADJ	ON	2010/07/12 09:09

7/12/2010 12:08:32 PM
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